



Fig. 1

1 GTCGACTTAT TGCATTGATG GCGTACATGG TAGTGCCATC CTTGCTTTCG TAACAAAGCGT TGTATAAAAG
71 CTTGTGCGGT TTCATCAAGT TGAACACAAT ACTCATGATT TTCCCACTT CCGGAAAGGG AAAAGTGAAA
141 ATAGCTTTTG AGATCAGCGT GTTCTAGCAG CTTTCAATG ATCTTTTTCG TCGTTACGTT TTGAAAAATC
211 TGACGACTGC GTTGTATTG CAACAAGCTA AGTGGATCCA ATATCTCTAT TTGATAATAA AACTGCTGCT
281 TGTCTTTGCT ATATCTGTG AATTGCAGAG TGCTACATAT ACGTGAAGAA AAAGGCTTTC CAGAAATCTAA
351 TTGTAAGAC ACACAAACAG CTTAAGTAG GTTTTGGTGA TCGATCTCCA TGTTCGCGC GATGGAAGCG
421 GAAAGCTGAC ACCCGCCGGA TAGGCTTTCG TCTCGATTA ATTGCGTGAC AATATAACTT TTGCTATCTG
491 AAAGCTTAAT GGTGAGGAG CGGGTTTGTG GCTTAAATC GTTACTGCTC ATATTCAAT AATTCACTAT
561 TAAATAACA GTTCTAAAG GCTGTTTATT GATGAATAT TCGAAATAT CACATAATAA TTGATGCTAT
631 TATTACTTGC TGTATTGTA TCAACTTCA TGCTCTATAC ATGTAATATA TTGAGGTA GACCTTAAT
701 CAAGGTAAT TGTCTATTA ATTATTATCT GAATAATATG TAATGATG CTTGTGCTT ATTTTATGT
771 TTGTTTCAIT TTAATGAGG GTGAGCTTGT GCATTCATAT TTTTATGAT GACACATCT TTGATGAAGT
841 ATTAAAGATA TTGTAATGC ATGAGGGGTT TCGGTGATTT TTTTATATA AATCATAATA AATCAACAA
911 TATATGTTAT TTGTGCTCT TTTATAGTGT TCTTTAAAG AGGTAGGATG ACCTAAAGGT CCGCTAAATA
981 TGGGTAAAT TGCCATTGCT ATAATTCACC TCAAGATAC ACTATTGCA AATTGACAAA TATGTCCTT
1051 CGTATGAAAC AATATTAGTA GATGTTGTTT TTGTCGAAA AATAAAAAAT TTCTGCGTGG AATAAAGTCA
1121 AGGCTCTAG CTTTTCCTT TATCTTAAAG TACAGGAAT AGCGATTGAA GTTAATTGAC ACTTAAGGAA
1191 ATAGTCAACC TAACAGAGCA GGAACCTATG CTTTGTCAA AGCATCAAT TGAGCAACTT TCTAAACCTC
1261 TGAGTGATGA TTGATCTGT GCGCTTATC TTAAGTGA AAAAGTGTCT TTGCGCAT TACGTAATGA
1331 ATTTAATGTC GCGCAAGCT CCGTCTGTA GCTAAGTCAA AACCTAGTG CTGACGAGAG AGATGCGTTA
1401 CAAGAGGCA TGCTAAATA AGTGAAGAT TCTCTGAC AGTTGTAGC AACAGTTTC AAAACAACC
1471 AGAGATATCG AGCTCATCTC ATGGTTTGTG GCTGCTCAAT TCTTCTGA TACCACATTA GAAAGTGCTG
1541 CGAATAGCCT TGAGTGTTA GCGGATTAA GTGAGAAGCA CTGGGATCAC CTCACCCCTG TACTACAGT
1611 TGAAGCGCTC AATCTGATG ATGATAAGGG CAAGAAAGGA GAGCAAGCAG ATGCAAGGT TAAAGCATTT
1681 TTCCAAGTAG TCGCGATAG CAGGAAAGC TCGATCTCT ATGCGCGGT GCTGCAACTG CCGTATGCTG
1751 GGGAGTGCAG GTTTTGTGAC TTTCAAGTG CAGAGAGAAA AGCGAAATC AGCCAACTGA AATCTATGCT
1821 TACGACCAAG GTGCGCAG AGCGTTTGC AATCAATC AGATGAAA AGCCAAAGC TTGTGTAACC
1891 CAATTAGATC GTTTGTCAGC GTTGTGAGC ACTAAGTGT ATCTCTAGG CAGTCAAGT ACCCACTCG
1961 GATTTCGAA GTCACTGCTT ACCCGTGTG AAAAGCTTT GTTCACTCA AGTGAATTA AGTTAGCACC
2031 GAAAGCGGAG GCCAAGCAG TAGAGCAAGA GTTTCGCGAA AGTTCAAGTT CTGAAGGGA GCTGCCAAGC
2101 CATATGATA CAACATAT AGAGCAATA CCGATGOCAT CAGAGCAGC TCAAGCTTA AGCCAACT
2171 TACAGCAGG AAACCTCTT GAAGTGGA ATTTAAACA TATGAACGA GACTAGCTT TGCATTGTT
2241 GAGAGAACTC TCTGATTAT TTGCGCAGAG CGAACCCAT AGCCCAATT CATTTTGT AGAAAAAGCG
2311 ATTGATGGG GATATTATC CTTAAGTAG TTGCTGCGAG AATGATGTC GGAACAAAAC GGTGACGCTC
2381 TTAGTAGGAT TTTAATGCC GCGGATTGA ATCATCTGA TCAAGTTTG CTGCGGAGG TGAGTACTC
2451 AACGTTGCGC ATTGAAGCC CCCAAACACC TCAAGCGAG CTTTGGTT CCGATCCCG AAGTGTGAA
2521 GAGCATGTAT CTCAGACTTC CCGTGTAGAT ACCCAATCTA AGCAAGATA AAAACACAA TCATCCGCTA
2591 CCGCGCTCT GAGTTGTAA TTGTGTTAA AAAATAAGGA AAAATCATGG CAAGTATTTA CATGCGTGA
2661 AGCGTCTTC AAGTTGAGG CCGAGGACT ATCGTCAGC TAGAAACGGC TGAAGGTAAA AATGACGGTT
2731 GOTTTCGAAT CAACCTTAC TCTTGGGTG GCGCTGTAA CTTGCTATG GACATGGTA ACGGACCAA
2801 TCGGATTCA GGCATGTTG GCGTAAGGA AGTTAGGTA ACTAAGAG TCGATGTC TTCTGAAGAC
2871 CTACTGCTT ATTTATTCAA CCGAGTAAA GACGTAATA CTGTTGAGT TGCATTACT AAGCCTTCTA
2941 ACATGCTCA AGTGCAGAC GTTACTTCC AAGTTAAGT AGAAAAAGCA CTTTATGTT CTTACAAGT
3011 GACCGGACT GACGATCTC AACGTAAGA GAGCTATCT CTTCTTACA CTTCTATTC TCAAGAGCAT
3081 CACTATGAGA AAGAAGGTG TGAACACAA AGCGGTGTTG TTGTACTTA CCACTACCG ACCGGGAAAA
3151 TGACTTCTGG TAAGTAATTC TTTCAATGA CATGCCAGT TAATTGGCA GTTATTICA TGAATATCTC
3221 ATTTAGGAC ACCGTTATG CAITGAATC ACAACATAAG CCGTTAGTA AGAACCTGT CAGCATCAC
3291 CTATGAGCT GAAACGAATG GCGCGTAAA GACGAAGAG CTGCGTTTG TTGTGGCGT CATTGGCGAC
3361 TTTTCAGAC ACAAGCAGA ATCAGAAAAA GTTGATTAG AAGAGCGAGA GTTCAAGGT ATCGATAAG
3431 ACAACTTGA TACAGTATG GCGCAATTC ACCCGCTCT TTGTCAGG GTTGATAACA AGCTTGCTAA
3501 TGATGATAGC CAGTTGAGG TGAACCTGAG CCGCTGTTG ATGAAGATT TCAACCCAGA GAACCTAGTT
3571 GATNAATG AGCGCTTAA

Fig 2

1 MASIYMRVSLQVEGAATIGQLETAEGKNDGWFAINSYSWGGARNVAMDIGNGTNADSGMVGVSYSYTK
71 EVDGASEDLSYLFNPGKDGTVEVAFTKPSNDGQGADVVFQVKLEKARLVSYNVSGTDGSQPYESLSLS
141 YTSISQKHHY EKEGGELQSGGVVTYDLPTGKMTSGK*

Fig. 3b

00915706.072604

0945706.072504

1 MALNSQHKRVSKNRVSITYDVETNGAVTKELPFVVGIGDFSGHKPESEKVDLEEREFTGIDKDNFDTV
71 MGQIHPRLSYKVDNKLANDDSQFEVNLSLRSMKDFHPENLVDXIEPL

Fig. 3c